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## Important Dates

Submission of Abstract	28 February 2010
Preliminary acceptance	31 March 2010
Receipt of full paper	3 September 2010
Final acceptance	30 September 2010
Early bird registration	30 September 2010
Final announcement	31 October 2010
Registration deadline	15 November 2010

## Hokkaido University

Hokkaido University started out in 1876 as Sapporo Agricultural College, the first modern academic institute in Japan. Its curriculum which combined agricultural and civil engineering disciplines was developed following that of the Massachusetts Agricultural College and classes were taught by foreign experts. Since the Japanese government purpose of setting up SAC was to develop Hokkaido, an untamed land, using the advanced knowledge of foreign faculty and subsequently SAC graduates, it is not wrong to say that civil engineering education in Japan started in earnest at SAC.

## Second Announcement

## ICDCS 2010

2nd International Conference on

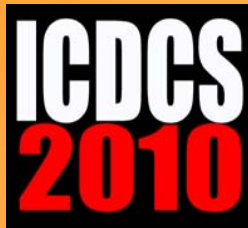
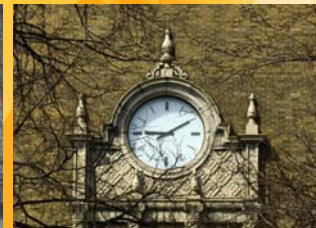
# DURABILITY OF CONCRETE STRUCTURES

**24-26 November 2010**

**Conference Hall, Hokkaido University  
Sapporo, Japan**

**Organized by  
Hokkaido University, Japan  
Zhejiang University, China  
Queen's University, U.K.**

**Sponsored by  
Japan Society of Civil Engineers (JSCE)  
Japan Concrete Institute (JCI)  
Concrete Research Committee of Hokkaido  
Civil Engineering Association**

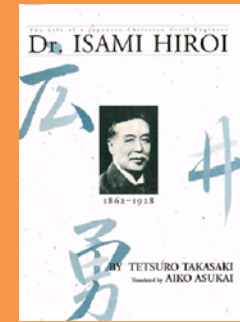


## Background

Concrete is the most widely used construction materials in the world. Over ten times more concrete is produced than all other construction materials put together. Concrete structures were traditionally viewed as being maintenance-free with a practically unlimited life. However, over the past several decades, a number of durability related problems have emerged and stimulated research into the key factors relating to durability of concrete structures. It is now generally accepted that concrete structures deteriorate with time. Problems faced world-wide are premature deterioration of concrete structures.

Thanks to the rapid rate of economic growth, Asian countries are going through an extensive construction period. However, the durability of these concrete structures is questioned due to lack of technologies and experiences especially in marine environment. As a result formulation of durability-based design and performance-based strategic maintenance methodologies to guarantee the durability of on-going construction work is needed urgently.

ICDCS was first held in Hangzhou, China on 26-27 November 2008 where 189 papers were presented. Like the preceding conference, ICDCS 2010 aims to bring together leading experts in this field from around the world to present their latest development and achievements, discuss current problems and address the future challenges on durability issues of concrete structures.



Otaru is located 30 km northwest of Sapporo on the Japan Sea. Opened in 1899, the port was constructed in two phases, from 1897 to 1908 and from 1908 to 1921. Dr Isamu Hiroi, who graduated from Sapporo Agricultural College and later taught there was responsible for the construction project.

A durability test of concrete began at the port of Otaru in 1897 and continues to this day making it the longest running test in the world.

## Conference Topics

Papers focusing on but not limited by the following topics with regard to durability-related subjects for concrete, reinforced concrete and prestressed concrete structures are invited for presentations in the conference.

- Influence of environments on durability
- Ionic/molecular transport modeling
- Materials for durability enhancement
- Material deterioration
- Performance of deteriorated structures
- Durability design
- Life-cycle management of concrete structures
- Testing, inspection and monitoring methods
- Repair and maintenance
- Practical application

## Abstracts and Final Papers

110 abstracts were received by the deadline of 28 February 2010. Accepted papers will be published in the proceedings and made available to all registered delegates at the conference.

## Registration fee

Registration fee of 40,000 yen (before 30 Sept. 2010) or 50,000 yen (after 1 Oct. 2010) includes proceedings, welcome reception, lunches, coffee/tea breaks, and banquet.

Registration is available at the conference website. Discount registration fee is offered for full-time students and spouses/accompanying persons.

## Accommodation

Hokkaido University is 15 minutes walk from Sapporo Station. There are many hotels close by the station and the university.

## Keynote Lectures

Four keynote lectures will be given at the conference plenary sections.

Prof Takeshi Hondo, Hokkaido University, Japan  
Prof Toyoaki Miyagawa, Kyoto University, Japan  
Prof Jie Li, Tongji University, China  
Dr Steiner Helland, SKANSKA, Norway

## Technical Visit

Technical visit will be planned on the afternoon of 26 November. Further information will be provided by the Conference official website.

## Visa

Those who need the entry visa into Japan are supported by Secretariat. Contact as early as possible to Secretariat after making registration.

## Contact

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## More Information

For more information please refer to  
<http://www.eng.hokudai.ac.jp/labo/lifetime/icdcs2010>

